

| ID | Title | Description | Theme | Focus | Research Status | Groundfish Plan Team | Crab Plan Team | Scallop Plan Team | SSC Priority |
|-----|--|--|------------------|---------------------------------------|-----------------|----------------------|----------------|-------------------|--------------|
| 364 | Updated sperm whale stock assessment | Updated sperm whale abundance estimates are needed. Sperm whale depredation interactions with longline fisheries have increased, but little is known about sperm whale populations. Updated population estimates and defined PBR's are needed to effectively respond if a take occurs in the longline fishery. | Marine mammals | Abundance estimation | No action | | | | Urgent |
| 365 | Retrospective analysis of the impact of Chinook PSC avoidance measures on communities of western Alaska | Conduct retrospective analysis using qualitative and quantitative methods on salmon dependent communities of western Alaska that may be affected by Chinook salmon PSC avoidance measures in the BSAI. Analysis should evaluate long-term changes in local Chinook abundance and uses, and provide detailed ethnographic work exploring the meaning of salmon to these communities in the context of industrialized offshore fisheries. | Human dimensions | Community impacts of fisheries | No action | Pending | | | Urgent |
| 381 | Effects of changes to the observer program | Evaluate the effects of changes to data collection protocols that occur because of observer restructuring, potential funding limitations and the introduction of electronic monitoring. Ensure that data collected provides a valid representation of the catch and can be compared easily to the previous data collection methods and time series remain intact. | Observer program | Interpretation of survey data | No action | Urgent | | | Urgent |
| 491 | Assess dependence and impacts of halibut management actions on communities | Quantitatively and qualitatively examine the suite of engagements, dependencies, and vulnerabilities of halibut dependent communities and impacts of halibut management actions. | Human dimensions | Community impacts of fisheries | No action | | | | Urgent |
| 492 | Investigate factors underlying fishery responses to halibut PSC caps | There is need to understand the underlying factors through which industry can adjust its behavior and its corresponding halibut encounter rates, in response to potential changes in halibut PSC caps. Investigations under this category could be conducted in combination with evaluations of alternative management actions for halibut PSC under Research Priority 385. | Bycatch species | Impacts of bycatch reduction measures | No action | | | | Urgent |
| 493 | Examine the relative importance of historical closed areas in the vicinity of the Pribilof Islands as juvenile | Evaluate the biological effects of establishing spatial protections of juvenile halibut from fishing gear on BSAI halibut stock health. | Bycatch species | Impacts of bycatch reduction measures | No action | | | | Urgent |
| 556 | Re-evaluate the location and temporal structure of Herring Savings Areas | Re-evaluate whether the current locations of the Herring Savings Areas are likely to be effective at protecting herring populations (i.e. overlap with current distribution of herring during the specified dates) and whether seasonally-fixed or moving closures would be the most effective. Re-evaluation is particularly necessary due to recent changes in herring distributions. The research would ensure that groundfish fisheries are not pushed into areas with higher salmon PSC and squid bycatch without meeting the goal of protecting herring. | Bycatch species | Impacts of bycatch reduction measures | No action | Important | | | Urgent |

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| 592 | Maturity estimates for Bering Sea and Aleutian Island crab stocks | Application of Tier 3 control rules for crab requires reliable estimates of maturity to determine mature biomass. Maturity estimates of BSAI crab stocks are, in many cases, based on old studies using outdated methods. New studies to estimate both male and female maturity curves are needed for several stocks, with Aleutian Islands golden king crab considered a priority. | Stock assessment inputs | Age and growth, Maturity, Natural mortality, Reproduction | No action | | Urgent | | Urgent |
| 691 | Develop comparable measures of net value, total value, and economic impacts for the Area 2C and 3A charter and commercial halibut fisheries. | Completion of this project is needed to develop a framework of the types of social/economic data that could be helpful when conducting the 2021 allocation review for the Halibut Catch Sharing Plan. | Human dimensions | Community impacts of fisheries | No action | | | | Urgent |
| 692 | Conduct ethnographic research and collect information on the indirect effects of the Area 2C and 3A charter and commercial halibut fishing. | Completion of this project is needed to develop a framework of the types of social/economic data that could be helpful when conducting the 2021 allocation review for the Halibut Catch Sharing Plan. | Human dimensions | Community impacts of fisheries | No action | | | | Urgent |